



Water Resource Control Engineer

Agency Code: 5799 - Exam Code: 1PB09 - Class Code: 3846

Department(s):	State Water Resources Control Board
Opening Date:	9/21/2009 12:52:00 PM
Final File Date:	Continuous
Type of Examination:	Departmental Open
Salary:	MONTHLY-RANGED-SALARY - \$4,608.00 to \$8,379.00
Tenure/Time-base:	Permanent Full-time Permanent Part-time Permanent Intermittent Limited Term Full-time Limited Term Part-Time Limited Term Intermittent
Exam Type:	State-wide

EEO

An equal opportunity employer to all regardless of race, color, creed, national origin, ancestry, sex, marital status, disability, religious or political affiliation, age, or sexual orientation. An equal opportunity employer to all regardless of race, color, creed, national origin, ancestry, sex, marital status, disability, religious or political affiliation, age, or sexual orientation.

DRUG-FREE STATEMENT

It is an objective of the state of California to achieve a drug-free state work place. Any applicant for state employment will be expected to behave in accordance with this objective because the use of illegal drugs is inconsistent with the law of the state, the rules governing civil service and the special trust placed in public servants.

WHO SHOULD APPLY?

Candidates who meet the minimum qualifications as stated below may apply for this examination at any time. Once you have taken the examination, you may not reapply for twelve (12) months. All applicants must meet the education and/or experience requirements as stated on this examination announcement.

FILING INSTRUCTIONS

Final Filing Date: Continuous

Where to Apply: Click on the link at the bottom of this bulletin.

SPECIAL TESTING ARRANGEMENTS

If you have a disability and need special assistance or special testing arrangements, contact the State Personnel Board, Examinations Unit at (866) 844-8671, TTY (916) 654-6336, or via the California Relay Service for the Deaf or Hard of Hearing at (800) 735-2929 from TTY Phones, or at (800) 735-2922 from voice phones.

SALARY INFORMATION

Water Resource Control Engineer Rg. A	\$4608-\$5334
Water Resource Control Engineer Rg. B	\$5276-\$6409
Water Resource Control Engineer Rg. C	\$6490-7885
Water Resource Control Engineer Rg. D	\$6897-\$8379

Range A:

This range shall apply to incumbents who do not meet the criteria for payment in Range B, C, or D.

Range B:

This range shall apply to incumbents who have either:

1. Demonstrated at least satisfactory performance as a Water Resource Control Engineer Resource Control Engineer, Range A in California state service for one year; or
2. Who possess a Master's Degree in Engineering with a specialization in environmental engineering, water resources, and sanitary or related engineering option. (Candidates who are pursuing graduate work toward a master's degree must receive the degree before they will be considered eligible for appointment to this range.) or
3. Two years of professional experience in water quality engineering, or environmental engineering, or environmental engineering comparable in levels, duties, and responsibilities to a Water Resources Control Engineer, Range B.

Range C:

This range shall apply to incumbents who have:

1. Demonstrated at least satisfactory performance, as documented on performance evaluations reports, as a Water Resources Control Engineer, Range B, in California state service for two years, or
2. Three years of professional experience in water quality engineering, or environmental engineering comparable in levels, duties, and responsibilities to a Water Resources Control Engineer, Range B.

Range D:

This range shall apply to incumbents who:

Possess a valid certificate of registration as a civil or professional engineer issued by the California State

Board of Registration for Professional Engineers.

Under Pattern (3) of Range B and Pattern (2) of Range C, possession of a Master's Degree in Engineering with a specialization in environmental engineering, water resources, sanitary, or related engineering option from a recognized college or university may be substituted for one year of experience; possession of a doctorate degree in the same fields from a recognized college or university may be substituted for two years of experience. (Candidates who are pursuing

graduate work toward a master's degree must receive the degree before they will be considered eligible for appointment to the range.)

ELIGIBLE LIST INFORMATION

An open merged eligible list will be established for the Department of Transportation. The names of successful competitors will be merged onto the eligible list in order of final scores regardless of test date. Eligibility expires 12 months after it is established. Competitors must then retest to reestablish eligibility.

REQUIREMENTS FOR ADMITTANCE TO THE EXAMINATION

NOTE: All applicants must meet the education and/or experience requirements as stated on this examination announcement.

MINIMUM QUALIFICATIONS

Education: Equivalent to graduation from college with a bachelors or advanced degree curriculum accredited by the Accreditation Board for Engineering and Technology with major work in environmental, chemical, sanitary, mechanical, agricultural, geotechnical, or civil engineering, or a related engineering discipline. (If the Accreditation Board accredits any engineering curriculum for Engineering in the institution from which the degree is earned, all engineering curricula from that institution will be considered accredited.)

Possession of equivalent qualifications may be demonstrated by graduation from an unaccredited curriculum in any of the above specialized engineering fields, which includes the basic engineering courses normally covered in a standard four-year course, and by qualifying in a written examination covering water quality control engineering. (Registration as a Senior or graduate student in any of the above specialized engineering fields will admit the applicant to the examination, but they must produce evidence of graduation before they will be considered eligible for appointment.)

POSITION DESCRIPTION

This is the entry through journey levels of the series. Incumbents move through the ranges as competency and performance increases.

Range A is the entry and first working level in the class. Under close supervision, incumbents perform less difficult professional water quality control or water rights-related engineering work.

Range B is the intermediate working level. Under general supervision, incumbents perform professional water quality control or water rights-related engineering work of average difficulty.

Range C is the full (nonregistered) journey level in the class. Under direction, incumbents perform difficult professional water quality control or water rights-related engineering work. They may act as lead workers on projects of least to more difficult in complexity or be assigned staff specialist responsibilities in support of project managers or other technical or programmatic functions.

Range D is the full (registered) journey level in the class. Under direction, incumbents perform difficult professional water quality control or water rights-related engineering work. They may act as lead workers on more complex projects or be assigned technical staff responsibilities in support of project managers or other technical or programmatic functions. This level may be used in a lead capacity over other Water Resource Control Engineers or other professional or technical employees. Range D requires possession of a valid certificate of registration as a civil or professional engineer issued by the California State Board of Registration for Professional Engineers.

Vacancies are anticipated at the State Water Resources Control Board in Sacramento and at the Regional Water Quality Control Board in various locations throughout the State.

EXAMINATION INFORMATION

TRAINING AND EXPERIENCE EVALUATION – Weighted 100%

The examination will consist of Training and Experience Evaluation weighted 100%. In order to obtain a position on the eligible list, a minimum rating of 70% must be attained.

A written test is only required when the candidate did not graduate from an accredited institution in the United States. The Institution needs to be accredited by the Accreditation Board for Engineering and Technology. If the candidate did not graduate from an accredited institution in the United States, a written examination will be scheduled at a later date. The written test is pass/fail.

If you have any questions concerning how to take the written test, please contact Denise Perry at the State Water Resources Control Board, P.O. Box 100, Sacramento, CA 95812-0100, (916) 341-5127.

KNOWLEDGE AND ABILITIES

Knowledge of:

Principles of water quality control, water rights, and water resource management

1. Environmental, chemical, civil, agricultural, geotechnical, and sanitary engineering principles relating to the treatment and disposal of sewage and industrial and other wastes
2. Design of and construction of water and wastewater facilities
3. Physical, biological, and chemical factors relating to the control of water pollution and quality, and the management of surface and ground water.

Ability to:

1. Evaluate cases of water quality degradation and pollution or nuisance conditions and make recommendations for their elimination and control
2. Prepare, review, check, or interpret engineering reports, plans, estimates, and specifications for varied water and wastewater control facilities
3. Conduct and/or have lead responsibilities over monitoring and surveillance activities
4. Assist in conducting water quality and water rights oriented studies, and assist in the preparation of water quality control plans
5. Dictate correspondence and prepare engineering reports
6. Analyze situations accurately and adopt an effective course of action
7. Establish and maintain cooperative relations with those contacted in the course of the work
8. Communicate effectively; interpret and apply the rules, regulations, and requirements of the State Water Resources Control Board and Regional Water Quality Control Boards.
9. Interpret and apply the rules, regulations, and requirements of the State Water Resources Control Board and Regional Water Quality Control Boards.

VETERANS' PREFERENCE POINTS

Veterans' Preference Points will be added to the final score of all competitors who are successful in this examination, and who qualify for, and have requested, these points through the State Personnel Board. Due to changes in the law, effective January 1, 1996, veterans who have achieved permanent civil service status

are not eligible to receive Veterans' Preference Points.

CAREER CREDITS

Career Credits will not be added to the final score of this examination, because it does not meet the requirements to qualify for Career Credits.

ADDITIONAL DESIRABLE QUALIFICATIONS

Willingness to travel in performing fieldwork throughout the State.

CONTACT INFORMATION

If you have any questions concerning this announcement, please contact an SPB Representative at the State Personnel Board,

Examination Services Unit
801 Capitol Mall, Sacramento, CA 95814
(866) 844-8671, TDD (916) 654-6336.

California Relay Service: 1-800-735-2929 (TTY), 1-800-735-2922.
TTY is a Telecommunications Device for the Deaf and is reachable only from phones equipped with a TTY Device.

GENERAL INFORMATION

Applications are available at www.jobs.ca.gov, State Personnel Board offices, and local offices of the Employment Development Department.

If you meet the requirements stated on this examination bulletin, you may take this examination, which is competitive. Possession of the entrance requirements does not assure a place on the eligible list. Your performance in the examination described on this bulletin will be rated against a predetermined job-related rating, and all candidates who pass will be ranked according to their scores.

The State Water Resources Control Board reserves the right to revise the examination plan to better meet the needs of the service, should the circumstances under which this examination was planned change. Such revision will be in accordance with civil service laws and rules, and all competitors will be notified.

Candidates needing special testing arrangements due to a disability must mark the appropriate box on the application and contact the testing department.

Hiring Interview Scope: In a hiring interview, in addition to the scope described in this bulletin, the panel will consider education, experience, personal development, personal traits, and fitness. In appraising experience, more weight may be given to the breadth and recency of pertinent experience, and evidence of the candidate's ability to accept and fulfill increasing responsibilities than to the length of his/her experience. Evaluation of a candidate's personal development will include consideration of his/her recognition of his/her own training needs; his/her plans for self-development; and the progress he/she has made in his/her efforts toward self-development. For more information, you may refer to the classification specification.

General Qualifications: Candidates must possess essential personal qualifications including integrity, initiative, dependability, good judgment, the ability to work cooperatively with others, and a state of health consistent with the ability to perform the assigned duties of the class. A medical examination may be

required. In open examinations, investigation may be made of employment records and personal history, and fingerprinting may be required.

Eligible Lists: Eligible lists established by competitive examination, regardless of date, must be used in the following order: 1) sub-divisional promotional, 2) departmental promotional, 3) multi-departmental promotional, 4) service-wide promotional, 5) departmental open, and 6) open. When there are two lists of the same kind, the older must be used first. Eligible lists will expire in one to four years unless otherwise stated on the bulletin.

Veterans' Preference Points: California Law (Government Code 18971-18978) allows the granting of Veterans' Preference Points in open entrance and open, non-promotional entrance examinations. Veterans' Preference Points will be added to the final score of all competitors who are successful in these types of examinations, and who qualify for, and have requested by mail, these points. **In open (only)** entrance examinations, Veterans' Preference Points are granted as follows: 10 points for veterans, widows and widowers of veterans, and spouses of 100% disabled veterans (5 points for widows, widowers, and spouses if the veteran was in the National Guard); and 15 points for disabled veterans. **In open, non-promotional** entrance examinations, Veterans' Preference Points are granted as follows: 10 points for veterans, and 15 points for disabled veterans. Employees who have achieved permanent State civil service status are not eligible to receive Veterans' Preference Points. "Permanent State civil service status" means the status of an employee who is lawfully retained in his/her position after completion of the applicable probationary period. This includes permanent intermittent, part-time, and full-time appointments. In addition, individuals who at any time achieved permanent State civil service status and subsequently resigned, or were dismissed from State civil service are not eligible to receive Veterans' Preference Points. Veteran status is verified by the State Personnel Board (SPB). Directions to apply for Veterans' Preference Points are on the Veterans' Preference Application (Std. Form 1093), which is available at www.spb.ca.gov or from the State Personnel Board, 801 Capitol Mall, Sacramento, CA 95814, and the Department of Veterans Affairs.

TAKING THE EXAM

When you click the link below, you will be directed to the Training and Experience Evaluation. At the end of the Training and Experience Evaluation, it will be instantly scored.

[Click here to go to the Training and Experience Evaluation for Water Resource Control Engineer.](#)